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RURAL DISTRICT COUNCIL.



Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

AND

NUISANCE INSPECTOR

FOR THE YEAR

1920.

STANDISH,

MAY, 1921.

To the Chairman and Members of the Wigan Rural District Council.

GENTLEMEN,

I have pleasure in laying before you my Sixth Annual Report. I beg to thank you for the ready support given to me upon all matters relative to the health of the various townships comprising your district.

I also take this opportunity of thanking your Sanitary Inspector, Mr. Paul Fairclough, for his ready and willing assistance at all times.

I am, Gentlemen,

Your obedient Servant,

GEO. H. ORMSBY,

L.M.S.S.A., Lond.

Fellow of the Royal Institute of
Public Health;

Member of the Society of Medical
Officers of Health.



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Statistical Summary for whole District.

Population—Census 1911	6,327
Estimated Civil Population, July 1st, 1919	5,875
Estimated Total Population, July 1st, 1919	..	...	...	6,120
Estimated Total Population, July 1st, 1920	...	...	...	6,109
Acreage of District	...	...	..	11,701 acres
Density of Population per acre	...	...	..	0.5
Births—Males	...	...	...	83
Females	...	...	...	67
			—	150
Deaths—Males	...	...	...	46
Females	...	...	...	26
			—	72
Annual Birth-rate	...	...	...	24.5
Annual Death-rate	...	...	...	11.7
Natural Increase of Births over Deaths	...	..	...	78
Deaths from Zymotic Diseases	...	...	...	8
Zymotic Death-rate (excluding Tuberculosis)	...	...	...	0.49
Phthisis Death-rate	...	...	...	0.81
Deaths in Infants under one year	...	...	...	5
Infantile Death-rate per 1,000 Births	...	...	...	33
Illegitimate Births	...	...	...	6
Illegitimate Deaths under one year	...	...	...	0

DEATHS.—There were 27 less deaths than in the previous year, the rate being 11.7, compared with 16.8 for 1919. Wrightington gave the largest decrease, viz., 15; Haigh 6, Parbold 5, and Shevington 4. Dalton gave an increase of 2, and Worthington 1.

INFANTILE DEATHS.—Only 5 deaths in infants under one year were registered, showing the satisfactory decrease of 7 over the previous year; the rate being 33 per 1,000 births, as against 111 for 1919. The causes of death were Premature Birth 3, Epidemic Diarrhoea 1, and Pneumonia 1. Our low infantile death-rate must nearly be a record for Rural Districts; long may it continue so, and thus redound to the credit of the mothers of the district.

A County Council Health Visitor pays periodical visits to the mothers, and instructs them in the rearing of their children.

Nine deaths occurred outside the district of persons belonging to the district, of which 8 took place in the following Institutions:—

Wigan Infirmary	...	...	...	3
Wigan Union Infirmary, Billinge			...	1
Wigan Union Workhouse	...		...	1
Luneside Hospital, Lancaster			...	1
Lunatic Asylum, Lancaster	...		...	1
Royal Albert Institution, Lancaster			...	1
Other Deaths	...	...	...	1
				—
				9

Four deaths of non-residents were registered in the district, and were transferred to their proper quarter.

The deaths from all causes were as follows:—

Measles	...	...	...	...	1
Croup	...	...	...	...	1
Influenza	...	...	...	...	5
Erysipelas	...	...	...	...	1
Pulmonary Tuberculosis	...	...	...	...	5
Cancer	...	...	...	...	6
Organic Heart Disease	...	...	...	...	6
Bronchitis	...	...	...	...	3
Pneumonia (all forms)	...	...	...	...	6
Other Respiratory Diseases	...	...	...	...	1
Diarrhœa (under 2 years)	...	...	...	...	1
Nephritis	...	...	...	...	3
Puerperal Fever	...	...	...	...	2
Parturition	...	...	...	...	1
Premature Birth	...	...	...	...	3
Violence (apart from Suicide)	...	...	...	...	3
Other Defined Diseases	...	...	...	...	24
					<hr/>
					72

There were 6 uncertified deaths.

INFECTIOUS DISEASES AND DEATHS.—43 cases were notified, being a decrease of 48 over last year, and are as follows: Scarlet Fever 24, Diphtheria and Croup 5, Erysipelas 5, Malaria Fever 1, Influenzal Pneumonia 2, Pulmonary Tuberculosis 5, other forms of Tuberculosis 1. The largest number of cases of Scarlet Fever again occurred in Shevington, which accounted for 9; Wrightington 5, Haigh 5, Dalton 4, and Worthington 1. No cases were again reported from Parbold.

SCARLET FEVER.—Of the 24 cases notified only two were removed to the Whelley Sanatorium for treatment. No deaths occurred from this disease.

ENTERIC FEVER.—The district was quite free from this disease, no cases being reported.

ZYMOTIC DISEASES.—Eight deaths occurred, and were as follows: Measles 1, Croup 1, Erysipelas 1, and Pulmonary Tuberculosis 5.

PULMONARY AND OTHER FORMS OF TUBERCULOUS DISEASES.—Six cases under this heading were notified, compared with 16 for the previous year. Five of the cases proved fatal. One death occurred in Hospital.

The Localities where these cases occurred are as follows:—

	Pulmonary.	Other Forms.	Deaths.
Shevington	1	1	1
Wrightington	2	0	1
Haigh	1	0	2
Parbold	1	0	1
Dalton	0	0	0
Worthington	0	0	0
	<hr/> 5	<hr/> 1	<hr/> 5

From the above table it will be seen that Dalton and Worthington were again the only townships not affected.

It will be observed that our Phthisis death-rate has risen from 0.51 to 0.81.

SCHOOL CLOSURE.—During the months of March and June Measles became very prevalent, when I found it necessary to close the following schools:—Broad-o'-th'-Lane Infants, March 11th to April 12th; Crooke Infants, March 15th to March 28th; Haigh National, March 18th to April 1st; Appley Bridge Infants, June 11th to July 10th.

All the schools were thoroughly disinfected before being re-opened.

SMALLPOX.—No cases of this disease occurred during the year. Sixty-one Primary Vaccinations and 1 Re-Vaccination were successfully performed during the year.

In case of an outbreak of Smallpox the Isolation Hospital, which is situated in Shevington, containing 4 beds, is always kept ready for the reception of cases whenever an outbreak occurs.

WATER SUPPLY.—The water is of good quality; High Moor and Dalton depending on wells for their supply.

CLOSET ACCOMMODATION.—The privy system is mainly used, and the emptying of same is carried out to my satisfaction.

SCAVENGING.—This is now well performed, especially since the Council took it over.

DRAINS, SEWERS, AND SEWAGE DISPOSAL.—By means of water-courses and cesspools, except Bleachworks portion of Haigh, which has an Outfall Works.

LODGING HOUSES.—There are no registered common lodging houses in the district.

FOOD AND DRUGS ACT.—The administration of this Act is now in the hands of the County Council.

SLAUGHTER HOUSES are in good repair, and kept clean.

HOUSING OF WORKING CLASSES ACT & TOWN PLANNING ACT.—Much of the property in the district is in a poor state of repair, and owners should realise their responsibilities in this direction and have the necessary work put in hand. The erection of new houses by the Council is in abeyance.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.—An Infectious Hospital is needed for the district, as the houses occupied by the working classes are most unsuitable for isolation.

SHEVINGTON.

Population, Census 1911	1,905
Estimated Civil Population, July 1st, 1919	1,765
Estimated Total Population, July 1st, 1919	1,860
Estimated Total Population, July 1st, 1920	1,858
Acreage of Township	1,728 acres
Density of Population per Acre	1.0
Births—Males	33
Females	26
	— 59
Deaths—Males	19
Females	7
	— 26
Annual Birth-rate	31.75
Annual Death-rate	13.99
Natural Increase of Births over Deaths	33
Deaths from Zymotic Diseases	3
Zymotic Death-rate (excluding Tuberculosis)	1.07
Phthisis Death-rate	0.53
Deaths in Infants under one year	3
Infantile Death-rate per 1,000 Births	50.84
Illegitimate Births	1
Illegitimate Deaths under one year	0

BIRTHS.—These show an increase of 19 over the previous year

DEATHS.—Four less deaths were registered than last year. Infantile deaths under one year show a satisfactory decrease of 3 on the previous year, giving a rate of 50.84 per 1,000 births, compared with 150 for 1919.

The causes of death were:—

Croup	...	...	...	...	1
Influenza		...	...	...	5
Pulmonary Tuberculosis			...	...	1
Cancer	...	...	...	...	3
Measles	...	...	...	...	1
Organic Heart Disease			...	...	1
Bronchitis		...	...	...	1
Pneumonia (all forms)			...	...	5
Diarrhoea (under 2 years)			...	...	1
Parturition		...	...	...	1
Premature Birth	...	...	...	...	1
Violence (apart from Suicide)				...	2
Other Defined Diseases			...	...	3
					—
					26

Three deaths were uncertified.

INFECTIOUS DISEASES AND DEATHS.—19 cases were notified, a decrease of 33 over the previous year, and were as follows:—Scarlet Fever 9, Diphtheria and Croup 3, Erysipelas 3, Acute Influenzal Pneumonia 2, Pulmonary Tuberculosis 1, and 1 to other forms of Tuberculosis. Three deaths occurred from Zymotic Diseases, Measles, Croup, and Pulmonary Tuberculosis accounting for 1 each.

SCHOOL CLOSURE.—Owing to an outbreak of Measles during March, Broad-o'th'-Lane Infants was closed from March 11th to April 12th, and Crooke Infants from March 15th to March 28th.

WRIGHTINGTON.

Population, Census 1911	...	...	...	1928
Estimated Civil Population, July 1st, 1919	...	...	...	1764
Estimated Total Population, July 1st, 1919	...	...	...	1858
Estimated Total Population, July 1st, 1920	...	...	...	1856
Acreage of Township	...	...	...	3916 acres
Density of Population per acre	...	...	...	0·47
Births—Males	...	...	...	26
Females	...	...	...	18
			—	44
Deaths—Males	...	...	...	14
Females	...	...	...	6
			—	20
Annual Birth-rate	...	...	...	23·70
Annual Death-rate	...	...	...	10·77
Natural Increase of Births over Deaths	...	...	...	24
Deaths from Zymotic Diseases	...	...	...	2
Zymotic Death-rate (excluding Tuberculosis)	...	...	...	0·53
Phthisis Death-rate	...	...	...	0·53
Deaths in Infants under 1 year	...	...	...	2
Infantile Death-rate per 1,000 births	...	...	...	45·45
Illegitimate Births	...	...	...	3
Illegitimate Deaths under 1 year	...	...	...	0

BIRTHS.—These show an increase of 12 over the previous year.

DEATHS.—Fifteen less deaths were recorded than last year. The females showed the largest decrease by 4 over the males. There was one less infantile death than in the preceding year, the rate being 45.45, compared with 93.75.

The causes of death were:—

Erysipelas	...	...	...	1
Pulmonary Tuberculosis	...	...	...	1
Cancer	...	...	...	2
Bronchitis	...	...	...	1
Organic Heart Disease	...	...	...	2
Premature Birth	...	...	...	2
Violent Death	...	...	...	1
Other Defined Diseases	...	...	...	10
				—
				20

There was one uncertified death.

INFECTIOUS DISEASES AND DEATHS.—10 cases were notified, 8 less than the previous year. Scarlet Fever accounted for 5, Diphtheria 2, Erysipelas 1, and Pulmonary Tuberculosis 2. There were two deaths, 1 from Erysipelas, and the other from Pulmonary Tuberculosis. One case of Scarlet Fever was removed to the Wigan Whelley Sanatorium for treatment, and fully recovered.

SCHOOL CLOSURE.—The Appley Bridge Infants' School was closed from June 11th to July 10th, owing to an outbreak of Measles. The school was disinfected before re-opening.

HAIGH.

Population—Census 1911	...	...	...	1,088
Estimated Civil Population, July 1st, 1919	...	...	...	1,041
Estimated Total Population, July 1st, 1919	...	...	...	1,045
Estimated Total Population, July 1st, 1920	...	...	...	1,043
Acreage of Township	...	...	...	2,135 acres
Density of Population per acre	...	...	..	0.4
Births—Males	...	...	...	13
Females	...	...	...	7
			—	20
Deaths—Males	...	...	...	6
Females	...	...	...	4
			—	10
Annual Birth-rate	...	...	...	19.17
Annual Death-rate	...	...	...	9.58
Natural Increase of Births over Deaths	...	...	...	10
Zymotic Deaths	...	...	...	2
Zymotic Death-rate (excluding Tuberculosis)	...	...	...	0
Phthisis Death-rate	...	...	...	1.91
Deaths in Infants under one year	...	...	..	0
Infantile Death-rate per 1,000 Births	...	...	...	0
Illegitimate Births	...	...	...	0
Illegitimate Deaths under one year	...	...	...	0

BIRTHS.—There were 5 more births than last year, 4 males and 1 female, giving a rate of 19.17, compared with 14.35 for 1919. There were no illegitimate births, as against 3 for the previous year.

DEATHS.—These show a decrease of 6 over the preceding year, 1 male and 5 females, decreasing the rate from 15.36 to 9.58. There were no deaths in infants under one year, compared with one for last year.

The causes of death were:—

Tuberculosis of the Lungs	...	...	2
Nephritis	...	...	1
Organic Heart Disease	...	...	1
Puerperal Fever	...	...	1
Other Defined Diseases	...	...	5
			<hr/>
			10

There was only one uncertified death.

INFECTIOUS DISEASES AND DEATHS.—8 cases were notified, being 3 less than in the previous year. Scarlet Fever accounted for 5, Erysipelas 1, Malaria Fever 1, and Pulmonary Tuberculosis 1. One case of Scarlet Fever was removed to the Wigan Sanatorium at Whelley for treatment, and fully recovered.

SCHOOL CLOSURE.—Haigh National School was closed from March 18th to April 1st, owing to the prevalence of Measles. The school was thoroughly disinfected before being re-opened.

PARBOLD.

Population—Census 1911	...	...	...	711
Estimated Civil Population, July 1st, 1919	...	...	...	674
Estimated Total Population, July 1st, 1919	...	...	...	707
Estimated Total Population, July 1st, 1920	...	...	...	705
Acreage of Township	...	...	...	1,159 acres
Density of Population per acre	...	...	...	0.6
Births—Males	...	...	...	4
Females	...	...	...	6
			—	10
Deaths—Males	...	...	...	1
Females	...	...	...	6
			—	7

Annual Birth-rate	...	...	...	...	14.18
Annual Death-rate	...	...	...	...	9.92
Natural Increase of Births over Deaths	...	...	...	...	3
Zymotic Deaths	...	...	...	...	1
Zymotic Death-rate (excluding Tuberculosis)	...	...	...	...	0
Phthisis Death-rate	...	...	...	...	1.41
Deaths in Infants under one year	...	...	...	...	0
Infantile Death-rate per 1,000 Births	...	...	...	...	0
Illegitimate Births	...	...	...	...	1
Illegitimate Deaths under one year	...	...	...	...	0

BIRTHS.—These show an increase of 5 over the preceding year, giving a rate of 14.18, compared with 7.07 for last year. The males equalled the number registered in 1919, while the females gave the increase of 5. There was one illegitimate birth, as in the previous year.

DEATHS.—There were 5 less deaths than for the past year, decreasing the rate from 17.80 to 9.92. There were again no deaths in infants under one year.

The causes of death were:—

Pulmonary Tuberculosis	...	...	...	1
Cancer	...	...	...	1
Other Respiratory Diseases	...	...	...	1
Gastritis	...	...	...	1
Other Defined Causes	...	...	...	3
				<hr/> 7

One death was uncertified.

INFECTIOUS DISEASES AND DEATHS.—Only one case was notified, as against 4 for the previous year. One death from Pulmonary Tuberculosis was recorded.

SCHOOL CLOSURE.—No school closure was adopted during the year.

DALTON.

Population—Census 1911	...	...	...	446
Estimated Civil Population, July 1st, 1919	...	...	...	404
Estimated Total Population, July 1st, 1919	...	...	...	415
Estimated Total Population, July 1st, 1920	...	...	...	413
Acreage of Township	...	...	...	2,104 acres
Density of Population per acre	...	...	...	0.19
Births—Males	...	...	...	4
Females	...	...	...	7
			—	11
Deaths—Males	...	...	...	4
Females	...	...	...	2
			—	6
Annual Birth-rate	...	...	...	26.63
Annual Death-rate	...	...	...	14.52
Natural Increase of Births over Deaths	...	...	...	5
Deaths from Zymotic Diseases	...	...	...	0
Zymotic Death-rate (excluding Tuberculosis)	...	...	...	0
Phthisis Death-rate	...	...	...	0
Deaths in Infants under one year	...	...	...	0
Infantile Death-rate per 1,000 Births	...	...	...	0
Illegitimate Births	...	...	...	1
Illegitimate Deaths under one year	...	...	...	0

BIRTHS.—Two more births were registered than in 1919; the females exceeded the males by 3, while last year the males exceeded the females by the same number, the rate being 26.63, compared with 21.68 for the preceding year. One illegitimate birth was registered, as against none for last year. No death in infants under one year was recorded.

DEATHS.—These again show an increase of 2, the rate being 14.52, compared with 9.90 for last year.

The causes of death were:—

Bronchitis	...	...	...	1
Nephritis	...	...	...	1
Organic Heart Disease	...	...	...	1
Other Defined Diseases	...	...	...	3
				<hr/> 6

All the deaths were certified.

INFECTIOUS DISEASES AND DEATHS.—4 cases were notified, being an increase of 2 over last year. The cases notified were all Scarlet Fever. No deaths were recorded under this heading.

SCHOOL CLOSURE.—I did not find it necessary to adopt school closure during the year.

WORTHINGTON.

Population—Census 1911	...	...	...	249
Estimated Civil Population, July 1st, 1919	...	...	...	227
Estimated Total Population, July 1st, 1919	...	...	...	235
Estimated Total Population, July 1st, 1920	...	...	...	234
Acreage of Township	...	...	..	659 acres
Density of Population per acre	...	...	...	0.35
Births—Males	...	...	...	3
Females	...	...	...	3
				<hr/> 6
Deaths—Males	...	...	...	2
Females	...	...	...	1
				<hr/> 3

Annual Birth-rate	...	...	...	...	25.64
Annual Death-rate	...	...	...	...	12.82
Natural Increase of Births over Deaths			...	...	3
Deaths from Zymotic Diseases	...	...	...	...	0
Zymotic Death-rate (excluding Tuberculosis)				...	0
Phthisis Death-rate	...	...	...	...	0
Deaths in Infants under one year	...		...	...	0
Infantile Death-rate per 1,000 Births			...	...	0
Illegitimate Births	...	...	...	...	0
Illegitimate Deaths under 1 year			...	...	0

BIRTHS.—These show a decrease of one over the previous year, the sexes being equally divided, giving a rate of 25.64, compared with 29.78 for 1919. There were again no illegitimate births.

DEATHS gave an increase of one over the previous year, the rate being 12.82, as against 8.81 for last year. There were no deaths in infants under one year, compared with one for the preceding year. No illegitimate deaths were registered.

The causes of death were:—

Pneumonia	...	...	...	1
Nephritis	...	...	...	1
Puerperal Fever	...	...	...	1
			—	
				3

There were no uncertified deaths.

INFECTIOUS DISEASES AND DEATHS.—Only one case of infectious disease was notified, against 4 for the previous year, this being a case of Scarlet Fever. No deaths occurred under this heading.

WIGAN RURAL DISTRICT COUNCIL.

WIGAN RURAL DISTRICT COUNCIL.

18, Victoria Buildings, King Street,

Wigan, April, 1921.

Dr. G. H. Ormsby, L.M.S.S.A., &c.,

Medical Officer of Health, Standish.

DEAR SIR,

The following is a report of the work done for the year 1920.

36 cases of notifiable diseases have been referred to me, viz. :—
Scarlet Fever 24, Tuberculosis 6, Diphtheria and Croup 5, Malaria 1.

Two cases of Scarlet Fever were removed to the Borough Isolation Hospital at Whelley. The cost for treatment was £44 16s. 7d.

34 houses and 5 schools have been fumigated or sprayed.

DUST PREVENTION.—The Council would be well advised to try one of the various methods of dust laying during the ensuing year, as not only would the life of the roads be lengthened, but there would be less disease in the district.

26 formal and 9 statutory notices have been served in respect of nuisances and defects existing at properties in various parts of the district. 24 of these have been abated.

There is a large number of dilapidated and damp houses, caused by neglected repairs to spoutings and roofs. A long list of this work is waiting to be carried out, but the scarcity of labour in connection with the building trade is responsible for the slow progress.

The following is a brief summary of the chief defects found:—

Defective privies, ashpits, pails, and bins	35
„ roofs	15
„ drains	10
„ eaves gutters and down pipes ...	12
„ and damp brickwork ...	10
Obstructed drains	9
Overflowing and defective cesspools ...	6
Foul ditches and watercourses	4
Accumulation of manure	1
Insufficient water supply	5
Animals kept so as to cause nuisance ...	3
Refuse tip nuisance	1

YARD PAVING.—Very few of the yards are properly paved, and as the Council have no bye-laws to enforce this, it would be advisable if the Public Health Amendment Act, 1907, were adopted. The question of yard paving and many other insanitary items could then be dealt with.

CANAL BOATS ACT.—21 canal boats were inspected, and all these were found to comply with the regulations.

HOUSING & TOWN PLANNING ACTS.—66 houses have been inspected for the purposes of these Acts, and full particulars have been recorded in respect of 20. Many of these are below the standard required by the Ministry of Health regulations, but it is useless to serve closing orders until the present state of housing accommodation is relieved.

The Council have purchased $4\frac{1}{4}$ acres of land at Broad-o'th'-Lane, Shevington, for housing purposes, and plans for 32 houses and the layout have been approved by the Ministry.

BUILDING PLANS.—15 plans have been submitted and approved, and comprise the following:—

New Houses	...	...	...	8
Addition to Houses	...	...	...	3
Temporary Buildings	...	...	...	3
Addition to Factories or Workshops	...	...	...	2
Miscellaneous	...	...	...	3

WATER MAINS, &c.—210 lineal yards of 3in. cast iron main and 2 sluice valves have been laid in Wood Lane, Parbold; and 100 lineal yards of 2in. cast iron main and 2 sluice valves have been laid in Shevington Vale to replace the $\frac{1}{2}$ in. lead service.

A pump has been fixed over the well at Stoney Lane, High Moor, Wrightington, for the use of the inhabitants in that district.

A new agreement, on the basis of 10 per cent. on the assessments, has been made with the Lathom and Burscough U.D.C. for a continuance of the water supply to the lower portion of the township of Dalton.

APPLEY BRIDGE WATER SUPPLY.—The Upholland U.D.C. have given notice to terminate the present agreement for this supply, and several inspections have been made with the object of obtaining a supply locally.

A preliminary scheme has been brought forward for obtaining a supply of water from the Wigan Corporation well at Robin Hood, Wrightington. The Corporation have been approached on the matter, but as the County Council are also wanting a supply for Wrightington Hall, the whole question is still under consideration.

The alternative schemes are to obtain water from the Wrightington Fish Pond, or from the spring supply in Skull House Lane.

WORKSHOPS, &c.—There are 22 workshops on the register. The Bakehouses and Slaughter Houses have been periodically inspected. At one bakehouse the floor was found to be defective, and this is under repair. The slaughter house at Hill Dale is again being used. This is a wooden building, and ought to be replaced with a modern sanitary structure.

SCAVENGING.—A new tumbler cart has been provided, and a new tip opened at the Sewage Outfall Works, for the Haigh township.

The number of loads of nightsoil, etc., removed in the whole of the district during the year is as follows:—

No. of loads from privies, ashpits, &c. ...	3,017
„ closet pails emptied	2,468
„ dustbins emptied	641
„ cesspools emptied	42

The cost of manual and team labour for this work was £1,195 8s. 6d.

Yours faithfully,

PAUL FAIRCLOUGH,

Surveyor and Sanitary Inspector.

**Annual Report of the Medical Officer of Health for the Year 1920,
for the Rural District of Wigan,**

on the Administration of the Factory and Workshop Act, 1901, in
connection with

Factories, Workshops, Workplaces and Homework.

**1.—INSPECTION OF FACTORIES, WORKSHOPS
AND WORKPLACES,**

Including Inspections made by Sanitary Inspectors or Inspectors of
Nuisances.

Premises.	Inspections.	Written Notices.
FACTORIES (Including Factory Laundries)	20	2
WORKSHOPS (Including Workshop Laundries)	24	1
WORKPLACES (other than Outworkers' premises included in Part 3 of this Report)	1	—
TOTAL	45	3

2.—DEFECTS FOUND in Factories, Workshops and Workplaces.

Particulars.	Number of Defects.	
	Found.	Remedied.
Want of Ventilation	1	—
Want of drainage of floors	1	—
Sanitary accommodation— Unsuitable or defective	5	4
Total	7	4

3.—HOME WORK.—None.

4.—REGISTERED WORKSHOPS.

					Number.
Workshops on the Register (s. 131) at the end of the year					
Bakehouses	...	...	...	...	5
Quarries	...	...	...	...	6
Blacksmiths	..	...	...	...	3
Wheelwrights...	...	...	...	...	2
Boot Repairers	...	...	...	...	2
Joiners, etc.	...	...	...	...	2
Boatmaking	...	...	...	...	1
Basketmaking...	...	...	...	...	1
Total number of workshops on Register ...					22

5.—OTHER MATTERS.

CLASS.	No.
Action taken in matters referred to H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts (s. 5, 1901)—	
Notified by H.M. Inspector	1
Reports (of action taken) sent to H.M. Inspector	1

GEO. H. ORMSBY,

May, 1921.

Medical Officer of Health.

Summary of Medical Officer's Report for 1920.

Rural District of Wigan.

Medical Officer of Health—GEORGE HENRY ORMSBY. Salary as M.O.H., 31-12-1920, £80. Amount of Bonus, £22/19/6.

Is he a whole time Officer? No.

Inspector of Nuisances—PAUL FAIRCLOUGH. Salary as Inspector, 31-12-1920, £120. Amount of Bonus, £135.

Is he a whole-time Officer? No. If not, what other appointment does he hold? Sanitary and Building Surveyor, Water Engineer and Housing Architect.

What is the character of the Hospital Accommodation? } For Smallpox—Yes, an isolated Cottage at Shevington.
 } For other Infectious Diseases—No

Is it Joint or otherwise? Otherwise

No. of Beds available for your district? For Smallpox .. 4 For other Infectious Diseases? None

Disinfection } No. of Houses disinfected 39. Method—Formaldehyde Gas.
 } Are Houses disinfected after (a) Phthisis? Yes. (b) Measles? Yes, when requested.
 } Apparatus used for Clothing, Bedding, &c. (steam or otherwise)? None used.
 } No. of Articles disinfected? No record kept.
 } Where is the Apparatus situated? None kept.

If not, please state how disinfection of Clothing, &c., in these cases is carried out:—Sprayed with Formaldehyde and afterwards left in room and exposed to Formaldehyde Gas.

Are any diseases notifiable other than those which are compulsorily notifiable (for instance, Measles, Whooping Cough, Diarrhoea, Chicken Pox, &c.)? If so, what are they? None.

SUMMARY.—Continued.

What Diseases have been specially prevalent—Scarlet Fever and Measles.	Period? Scarlet Fever, Jan. to June, and Oct. to Dec. Measles, March, April, June, and July.
No. of times School Closure adopted—5.	For what disease? Measles.
Number of Special Reports made under Art. 19 (15 and 16) Sanitary Officers' Order, 1910—None.	
Bacteriological Examinations. No. of Specimens examined: Blood 3, Throat Swabs 1, Sputum 3, Milk 0, Others 0.	
Diphtheria Anti-toxin Order, 1910. Is a supply of Anti-toxin kept within the District? Yes at M.O.H.'s residence.	
Amount used during 1920 : 24,000 units.	

“The Housing Acts, 1890 to 1919”	<p>Has your Authority determined the procedure to be adopted for the inspection of your District as required by Article 1 of the Regulations of 2nd Sept. 1910? Yes.</p> <p>Has your Authority prepared, as required by Article 1 (3), a list of dwelling-houses, the early inspection of which is, in the opinion of the M.O.H., desirable? Yes.</p> <p>Has your Authority designated an officer to undertake the special inspection of houses and to keep the records stipulated by Articles 2 and 3? Yes.</p> <p>What officer has been so designated? M.O.H. and N. Inspector.</p> <p>Have the necessary books, forms, &c., for keeping the required record been obtained? Yes.</p> <p>Are these kept up to date? Yes.</p> <p>Action taken in 1920 under the Housing Acts:—</p> <p>No. of dwelling-houses specially inspected during 1920 under Sec. 17 of the Act of 1909, <i>i.e.</i>, with a view to ascertaining whether any dwelling-houses are unfit for human habitation? 20.</p> <p>Have the particulars of these inspections, as specified in Article 2 (1) to (8), and Article 3 (1) to (8), of the Housing (Inspection of District) Regulations, 1910, been fully recorded? Yes.</p> <p>Number of Dwelling-houses considered unfit for human habitation? Nil.</p> <p>“ Representations to Authority with a view to making Closing Orders? Nil</p> <p>“ Closing Orders made? Nil</p> <p>“ Dwelling-houses in which defects were remedied without making Closing Orders? 5.</p> <p>“ Dwelling-houses put into a fit state of habitation after making Closing Orders? Nil</p> <p>“ Dwelling-houses demolished? Nil.</p> <p>General character of defects found to exist? Dilapidation.</p> <p>Total No. of Dwelling-houses inspected for purposes of the Housing Acts other than those inspected above. (Not including inspections re Nuisances, &c.):—66.</p>
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SUMMARY.—Continued.

<p>“The Housing Acts, 1890 to 1919”— continued.</p>	<p>If your Authority has a Housing Scheme, state what stage has been reached on Dec-31st, 1920, giving information under the following headings:— No. of Schemes submitted 3 No. of Lay-outs: Submitted—1; Approved—1. No. of Houses included in House Plans: Submitted—32; Approved—32. No. of Houses on which work has commenced—0. Completed—0. No. of Houses built by private enterprise—None.</p>
<p>Source of the Water Supply— What is its condition? Possibilities of contamination? Any insufficiency, and where? Nature of extensions (if any) during the year?</p>	<p>Various Sources. Good. None known. Yes. Dalton Township and Hunter's Hill, Wrightington. 200 lin. yds. 3in. main in Parbold, and 100 lin. yds, 2in. main, Shevington.</p>
<p>Are Scavenging and Removal of House Refuse carried out satisfactorily for whole of District? How performed (state whether by Sanitary Authority, Contract, or Occupiers of Houses)? If Privy Middens exist, are they emptied by day or night?</p>	<p>Yes Partly by Local Authority and partly by contract. By day.</p>
<p>How is the Refuse disposed of? Has a Destructor been provided?</p>	<p>On Agricultural Land No</p>
<p>Sewage Disposal Works. Method of treatment? What is the character of the Drainage System? Any developments during year? Areas, or Townships, without proper drainage system? Action taken—Drain Testing, Flushing, &c.?</p>	<p>For a portion of the Township of Haigh, Works at Red Rock Haigh. Double contact beds, with separate bed for storm water, other portions of Township drains and cesspools only. Domestic Sewage. No further developments. Wrightington, Shevington, Parbold, Dalton, Worthington and part of Haigh. Systematically done.</p>

SUMMARY.—Continued.

Action taken with regard to the Pollution of Streams ?	None
Canal Boats : Number inspected ?	21 Number of Infringements of Acts ? None
What is the condition of the Bakehouses ? " Slaughter Houses ? " Lodging Houses ?	Good No. ? 5. 2 Fairly Good. 1 Bad. No. ? 3, No. Registered ? 3. No. Licensed ? None. Has a Public Abattoir been provided ? No. None.
What is the Sanitary condition of the Schools ?	Generally Good
Dairies, Cowsheds, and Milkshops— Are they periodically inspected ? Have Regulations been made under the order of the L.G.B. ? Amount of air space in cubic feet required for each cow ? Cowkeepers ?	Yes What is their condition ? Well kept. Yes Are they enforced ? Yes (a) Where cows are habitually grazed ? 600. (b) Where cows are not habitually grazed ? Does not apply in this district. Total No. of Cowkeepers ? 78. No. on Register ? 67. No. of Inspections during year ? 26
Dairymen or Purveyors of Milk (other than Cowkeepers) ? Any arrangements for veterinary inspection of dairy cows. Action taken (if any) as to tuberculous milk ?	Total No. of Dairymen or Milk Purveyors ? 1 No. on Register ? 1 No None

SUMMARY.—Continued.

<p>Inspection of Food— Amount condemned or surrendered as unfit for human Consumption (a) Tuberculosis Carcases and parts? (b) Diseases, unsound, or unwholesome meat (other than above)? (c) Other food stuffs? Number of Legal Proceedings and result?</p>	<p>None. (a) None (b) None (c) None None</p>
<p>Notices served—Nuisances</p>	<p>Number of Notices served? Informal—26, Statutory—9. Number of Nuisances abated? 24 Number of Legal Proceedings taken, and result—None</p>
<p>Closets and Ashpits.</p>	<p>Privy Middens—No. of Middens, 598; No. of Closets attached to these Middens, 912; No. of Pail Closets, 89; No. of Dry Ashpits (excluding Middens), 172; No. of Fresh Water Closets, 92; No. of Portable Receptacles for refuse, 8. No. of Waste Water Closets, Nil; No. of Privy Closets converted during 1920 To Fresh W.C.'s, Nil; to Waste W.C.'s, Nil; to Pails, &c., 4; No. of Pail Closets converted to Fresh W.C.'s, Nil; Waste W.C.'s, Nil; No. of Waste W.C.'s converted to Fresh W.C.'s Nil. Does Council contribute towards the cost of conversion? No. What kind of closet accommodation is being provided for new property? Water closets.</p>
<p>Smoke</p>	<p>Number of Observations, None; Number of Legal Proceedings taken and result, None; What is the time limit allowed for the emission of black smoke per hour—None fixed</p>
<p>Has the Authority adopted—</p>	<p>“The Infectious Disease (Prevention) Act, 1890”? Yes. “The Public Health Acts Amendment Act, 1907”? No. “The Public Health Acts Amendment Act, 1890”? Yes.</p>

SUMMARY.—Continued.

Has a Health Visitor been appointed by the Local Council? State whether whole or part time?	No.
Qualifications of Health Visitor?	No.
Has any, and if so what, action been taken by the Council respecting Child Welfare Work?	No.
Has any scheme been prepared in regard to the Supply of Food and Milk for Expectant and Nursing Mothers, and of Milk for Infants?	No.
Is there a District Nursing Association in the District?	No.
If so, does any arrangement exist between the Council and the Association in respect of Child Welfare Work?	No.
If no such arrangement exists, does the Association voluntarily undertake Child Welfare Work?	No.
Does the Association undertake— (a) Midwifery cases? (b) Monthly Nursing?	No. No.
Notable Sanitary Improvements during 1920	Increased Water Supply in Shevington Vale, and Pump and cover fixed on well to public supply at High Moor, Wroughtington
Chief Sanitary requirements of district	Sewering to district, conversion of privy middens, and yard paving.

Signed, GEO. H. ORMSBY, Medical Officer of Health.

May, 1921.

